Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/06/2016 11:31 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123936	-1	2.69	123874	2.72
Blue	F	SSC	125000	123197	-2	5.10	124409	5.04
Blue	E	FITC	17224	16762	-3	3.65	949	9.14
Blue	D	PE	22462	21676	-4	3.28	976	8.30
Blue	B	PerCP-Cy5-5	63940	62580	-3	3.82	1646	13.24
Blue	A	PE-Cy7	72480	71267	-2	4.55	936	24.09
Red	C	APC	63778	63114	-2	2.57	3558	7.99
Red	A	APC-Cy7	97254	97254	0	2.67	1923	7.83
Violet	B	V450	10730	10490	-3	3.39	654	8.15
Violet	A	V500	42147	40350	-5	2.95	2286	5.81

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19760	3.51	586	-34	N/A	N/A	Pass
Blue	F	SSC	61419	4.06	507	-20	N/A	N/A	Pass
Blue	E	FITC	102	33.78	514	-25	0.0258	54	Pass
Blue	D	PE	200	25.03	508	-24	0.1893	178	Pass
Blue	B	PerCP-Cy5-5	201	38.26	597	-17	0.0114	0	Pass
Blue	A	PE-Cy7	72	95.31	649	-24	0.0161	16	Pass
Red	C	APC	332	25.13	580	-4	0.0218	0	Pass
Red	A	APC-Cy7	123	36.72	562	-3	0.0050	699	Pass
Violet	B	V450	69	39.30	450	-24	0.0408	1223	Pass
Violet	A	V500	149	22.36	477	-26	0.0135	184	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.64	-31.41	0.84
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.30
Red	17.01	13.28 - 19.92	N/A	N/A	31.97	32.15	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10117

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments